Surveyors Visit ENVS340
by Hannah Dozier '26

On April 18th, Gooch & Associates Surveyors came to Wofford to talk to Dr. Bradham's ENVS 340 class about the use of drones and coding in surveying. The surveyors brought their drones and showed how they can be used to help make 3D maps of areas for people like civil engineers or groups like city planners to use when thinking about building.

First, the surveyors mark out the route the drones are going to take and program it into their missions. From there the drones can take the given directions and then fly out along the mapped target locations. The drones can also use a laser to gauge their elevation as they fly. This means they can be programmed to stay a certain height the entire time or change their height as they fly. The surveyors then showcased this by having their drone fly a mission around Wofford’s Richardson Arts Building and Spartanburg Memorial Auditorium parking lots. The drone’s flight in total was 6 and a half minutes.

The surveyors explained that the drone they brought was their biggest drone which can be used for LiDAR missions and creating the 3D maps, but they have other sizes of drones that are used for different work. For example, their “medium” drone is used for photogrammetry jobs instead of LiDAR. With the use of drones, surveying has become a job with a lot less field work and instead surveyors spend more time inside working with the collected data. It was a very insightful talk, introducing a growing field of work in South Carolina.

Students in ENVS 340 got to observe how drones are used by local surveyors to collect data and create maps.
Upcoming Events and Opportunities

Follow the Goodall Center Instagram page.

**SC Wildlife Federation Summer Internship**: SCWF is looking for a fundraising assistant for summer 2024. Dates: May 6-August 9, 20-25 hr/week, $12 hr. Send resume and cover letter describing career goals, interest in the position, 3 references and availability between 9am-5pm, M-F to Angi Fuller Wildt, Director of Development and Event, angi@scwf.org.

**Data Walk: Imagine Spartanburg, Youth Perspectives on Their Neighborhoods**: featuring a collaborative research project between Wofford College and Meeting Street Academy. This Data Walk will showcase work from Anthropology (Handelsman), Environmental Studies (Bradham) and Math (Grotheer). This is a cross-disciplinary, multi-year project. Join us to learn how you might get involved in the future!

**Second Saturdays Volunteer Day in Glendale**: Join us on the second Saturday of the month to help beautify the garden and surrounding areas at the Goodall Center. [Register here to let us know you’re coming.](#)

**Exam Week**

**4-Day Ecology Field Experience in Canadian Rockies**: Freshmen and Sophomores are encouraged to apply for this funded field work happening October 2-6, 2024.

**PROFILe OF THE WEEK:**

**Bard College – Graduate Programs in Sustainability**

Bard College, a private liberal arts college, is located on the shore of the Hudson River, which is just north of New York City. The Bard Center for Environmental Policy was founded in 1999 and the graduate program was launched in 2001. Today, their graduate programs in sustainability offer an MBA in Sustainability, a MS in Environmental Policy, a MS in Climate Science and Policy, and a MEd in Environmental Education. Students spend the first two semester on Bard’s campus and then participate in a 4-6 month professional internship related to their interests.

The Peace Corps Master’s International Program also provides the opportunity to incorporate the Peace Corps service with a master’s degree. Two other dual degrees are offered. The MS/MAT is for students seeking advanced knowledge in environmental policy and certification in secondary education and the MS/MBA is for students developing careers that combine the skills needed in both policy and business.

[Bard College – Graduate Programs in Sustainability](#)